

Abstract of the Disclosure

5       A measuring arrangement for testing workpieces, having at least one  
optical fiber (11, 12, 13, 14, 15, 16, 17, 18) assigned to a workpiece (10), in  
which or each the optical fiber (11, 12, 13, 14, 15, 16, 17, 18 ) is designed as a  
Bragg grating sensor, and in which the or each optical fiber (11, 12, 13, 14, 15,  
16, 17, 18) is arranged in the region of a surface of the workpiece.